

**IN THE CLAIMS:**

1. (Currently Amended) A mobile telephone, comprising:

a vital sign measuring system having a vital sign sensor integrated within ~~with~~ a chassis of said mobile telephone and configured to determine vital sign information of a user, wherein at least a portion of said vital sign measuring system includes a series of computer program instructions adapted to be executed on a processor of said mobile telephone;

a keypad, coupled to said vital sign measuring system, configured to allow a user to control said vital sign measuring system to determine said vital sign information; and

a display, wherein said vital sign sensor is configured to send said vital sign information to said display, said display, configured to receive said vital sign information from said vital sign sensor and provide said vital sign information to said user.

2. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a body temperature sensor.

3. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a blood pressure sensor.

4. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor is a pulse detector.

5. (Previously Presented) The mobile telephone as recited in Claim 1 wherein said vital sign sensor includes an analog to digital interface coupled to said display and configured to convert said vital sign information from analog data to digital data and directly send said digital data to said display to provide said vital sign information as digital data.

6. (Previously Presented) The mobile telephone as recited in Claim 1 further comprising

a loudspeaker and a microphone, coupled to said vital sign measuring system, configured to provide said vital sign information to said user and configured to allow said user to control said vital sign measuring system, respectively.

7. (Currently Amended) The mobile telephone as recited in Claim 1 wherein said series of instructions of said vital sign measuring system are integrated with computer program instructions of said mobile telephone adapted to be executed on said processor ~~vital sign sensor is configured to send said vital sign information to said display as analog data, said display configured to receive said analog data and provide said vital sign information as an analog signal.~~

8. (Currently Amended) A method of employing a mobile telephone to measure a vital sign, comprising:

controlling a vital sign measuring system having a vital sign sensor integrated in a chassis of said mobile telephone ~~with a keypad of said mobile telephone~~, said vital sign sensor configured to obtain vital sign information from a user, said mobile telephone including a processor having a series of computer program instructions of said vital sign measuring system adapted to be executed thereon; and

providing said vital sign information to said user by ~~directly~~ sending said vital sign information from said vital sign sensor to a display of said mobile telephone.

9. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a body temperature sensor.

10. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is a blood pressure sensor.

11. (Previously Presented) The method as recited in Claim 8 wherein said vital sign

sensor is a pulse detector.

12. (Previously Presented) The method as recited in Claim 8 wherein said vital sign sensor is located on an opposite side of said mobile telephone as said display to simultaneously employ said vital sign sensor and provide said vital sign information to said user through said display.

13. (Original) The method as recited in Claim 8 further comprising providing said vital sign information to said user with a loudspeaker of said mobile telephone.

14. (Previously Presented) The method as recited in Claim 8 further comprising controlling said vital sign measuring system with a microphone of said mobile telephone.

15. (Currently Amended) A mobile telephone, comprising:

a vital sign measurement system including a body temperature sensor, a blood pressure sensor, a pulse detector and control circuitry coupled to said body temperature sensor, said blood pressure sensor and said pulse detector, said vital sign measurement system configured to determine vital sign information of a user;

a processor central processor unit, shared by said mobile telephone and said vital sign measurement system, configured to control said body temperature sensor, said blood pressure sensor and said pulse detector ~~vital sign measurement system~~ via said control circuitry when said vital sign measurement system is activated; and

a display configured to receive said vital sign information from said vital sign measurement system and provide said vital sign information to said user, ~~said vital sign measurement system configured to bypass said central processor unit when sending said vital sign information to said display.~~

16. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said system is integral with a chassis of said mobile telephone.

17. (Currently Amended) The mobile telephone as recited in Claim 15 wherein said vital sign measurement system includes a series of computer program instructions adapted to be executed on said processor to control said body temperature sensor, said blood pressure sensor and said pulse detector via said control circuitry ~~an analog to digital interface configured to convert said vital sign information from analog data to digital data and send said digital data to said display to provide said vital sign information as digital data.~~

18. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said control circuitry provides said vital sign information to said user via a loudspeaker of said mobile telephone.

19. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign measurement system is activated by a keypad of said mobile telephone.

20. (Previously Presented) The mobile telephone as recited in Claim 15 wherein said vital sign information is provided to said user via an analog signal indicated on said display.